

Amendments to the Claims:

Please replace the claims with the following listing of claims.

1. (Currently Amended) An intelligent system control agent for coordinating user requested jobs among a plurality of clients, comprising:

a user interface module configured to receive ~~user requests~~ a user request;
a client selection module configured to select one of a plurality of clients to service a the user request according to a predetermined criterion, ~~the clients~~ each client comprising a plurality of queue types, each queue type having an individual scheme for prioritizing jobs; and
a communication module configured to submit the user request to the selected client.

2. (Currently Amended) The intelligent system control agent of claim 1, further comprising a ~~state awareness system health check~~ state awareness system health check module configured to maintain an awareness of the state of the selected client.

3. (Canceled)

4. (Original) The intelligent system control agent of claim 1, further comprising an agent endpoint module configured to enable the relocation of the system control agent.

5. (Original) The intelligent system control agent of claim 1, further comprising a federation module configured to allow cross-communication and interaction between a plurality of system control agents.

6. (Original) The intelligent system control agent of claim 1, further comprising a job relocation module configured to relocate a user requested job from one client to another.

7. (Currently Amended) The intelligent system control agent of claim 1, further comprising a state storage module configured to store the state of jobs being relocated from one client to ~~another~~; another.

8. (Currently Amended) A system for remotely controlling clients from a central location, the system comprising:

a plurality of clients;

an agent configured to receive ~~user requests~~ a user request from a user and determine based upon a predetermined criterion which of ~~a~~ the plurality of the clients to submit ~~each~~ the user request to, ~~the clients~~ each client comprising a plurality of queue types, each queue type having an individual scheme for prioritizing jobs; and

a communication channel configured to send the ~~requests~~ user request to the specified client.

9. (Currently Amended) The system of claim 8, further comprising a job execution module configured to determine a suitable queue for ~~each~~ the user request sent to the client.

10. (Currently Amended) The system of claim 9, wherein the job execution module comprises an asynchronous queue configured to run requests simultaneously within ~~a~~ the specified client.

11. (Currently Amended) The system of claim 9, wherein the job execution module comprises a synchronous queue configured to run requests in the order the requests ~~were~~are received by a ~~a~~the specified client.

12. (Original) The system of claim 9, wherein the job execution module comprises an exclusive queue configured to run requests exclusive of any other requests in any other queue on the system.

13. (Currently Amended) The system of claim 8, further comprising a stub software module configured to control execution of a ~~a~~the user request residing on a ~~a~~the specified client.

14. (Original) The system of claim 13, wherein at least one of the clients is remote to the agent.

15. (Currently Amended) A method of operating a software control agent, comprising:

receiving a user request;

automatically selecting based upon a predetermined criterion one of a plurality of clients to submit the user request to for service of the request, ~~the clients~~ each client comprising a plurality of queue types, each queue type having an individual scheme for prioritizing jobs; and

sending the user request over a communication channel to the selected client.

16. (Currently Amended) The method of claim 15, further comprising automatically relocating a software control agent from one computer station within a network to another computer station within a ~~a~~the network.

17. (Currently Amended) The method of claim 15, further comprising maintaining an awareness of the state of a the selected client ~~of the plurality of clients~~.

18. (Canceled)

19. (Original) The method of claim 15, further comprising providing an agent endpoint module configured to allow the mobility of an agent from one system to another.

20. (Original) The method of claim 15, further comprising communicating and interacting with a plurality of agents.

21. (Original) The method of claim 15, further comprising relocating a user requested job from one client to another.

22. (Canceled)

23. (Currently Amended) The method of claim 16, wherein automatically relocating ~~an~~ the agent from one computer system within a the network to another computer system within a the network further comprises:

instructing the agent to relocate to a known agent endpoint by a system administrator;

stopping to accept new job requests by the agent;

waiting for pending/current ~~requests~~ request relocations to finish by the agent;

flushing in-process requests to a state storage system by the agent;

requesting the new endpoint to instantiate a new agent by the agent;
waiting while the new agent populates its database with the data from the state storage system by the agent;
sending a message to all federated agents that the agent for ~~this a~~ domain is relocated to the new agent by a first agent;
sending a message to all clients in the domain that the agent is relocated to the new agent by the first agent; and
sending a request to the first agent's endpoint to close the first agent by the new agent.

24. (Currently Amended) The method of claim 15, further comprising automatically relocating ~~a the user~~ request from ~~one the selected~~ client within a network to another client within the network.

25. (Currently Amended) The method of claim 24, wherein automatically relocating ~~a the user~~ request from ~~one the selected~~ client within ~~a the~~ network to another client within ~~a the~~ network further comprises:

instructing ~~a the selected~~ client to relocate ~~a current the user~~ request by a system administrator or agent;
sending ~~requests the user request~~ to a state storage system by ~~a the selected~~ client;
sending instructions to ~~a the~~ new client to access ~~requests the user request~~ from the state storage system by the agent;
accessing ~~requests the user request~~ from the state storage system by the new client; and
relocating the user request to the new client ~~station~~.

26. (Currently Amended) An article of manufacture comprising a storage medium readable by a processor and to perform a method of operating a software control agent, comprising:

receiving a user request;

automatically selecting based upon a predetermined criterion one of a plurality of clients to submit the user request to for service of the ~~request~~ user request, each client comprising a plurality of queue types, each queue type having an individual scheme for prioritizing jobs; and

sending the user request over a communication channel to the selected client.

27. (Currently Amended) The article of manufacture of claim 26, further comprising automatically relocating a software control agent from one computer station within a network to another computer station within a the network.

28. (Currently Amended) The article of manufacture of claim 26, further comprising maintaining an awareness of the state of a the selected client ~~of the plurality of clients~~.

29. (Canceled)

30. (Original) The article of manufacture of claim 26, further comprising providing an agent endpoint module configured to allow the mobility of an agent from one system to another.

31. (Original) The article of manufacture of claim 26, further comprising automatically relocating a user requested job from one client within a network to another client within the network.

32. (Currently Amended) The article of manufacture of claim 27, wherein automatically relocating ~~an~~the agent from one computer system within ~~a~~the network to another computer system within ~~a~~the network further comprises:

- instructing the agent to relocate to a known agent endpoint by a system administrator;
- stopping to accept new job requests by the agent;
- waiting for pending/current ~~requests~~request relocations to finish by the agent;
- flushing in-process requests to a state storage system by the agent;
- requesting the new endpoint to instantiate a new agent by the agent;
- waiting while the new agent populates its database with the data from the state storage system by the agent;
- sending a message to all federated agents that the agent for ~~this~~a domain is relocated to the new agent by a first agent;
- sending a message to all clients in the domain that the agent is relocated to the new agent by the first agent; and
- sending a request to the first agent's endpoint to close the first agent by the new agent.

33. (New) The intelligent system control agent of claim 1, wherein each client comprises at least three queue types.

34. (New) The system of claim 8, wherein each client comprises at least three queue types.

35. (New) The method of claim 15, wherein each client comprises at least three queue types.

36. (New) The article of manufacture of claim 26, wherein each client comprises at least three queue types.